

Notice of Allowability

Application No.

10/795,794

Examiner

John A. McPherson

Applicant(s)

KAWAGUCHI ET AL.

Art Unit

1756

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Declaration filed 7/27/04.
2. ☒ The allowed claim(s) is/are 1-17.
3. ☒ The drawings filed on 27 July 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 3/8/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Pertinent Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

JP 2000-012217 discloses a method of manufacturing a color conversion filter comprising the steps of forming patterned light shielding layers on a translucent substrate, forming a film of photo-curing color conversion layer forming material on the substrate and light shielding layers, back exposing the photo-curing color conversion layer forming material from the substrate side, and removing the unhardened photo-curing color conversion layer forming material.

JP 2003-229261 discloses a method of manufacturing a color conversion filter comprising the steps of forming a wettability change layer on dividing walls of a board, bringing a photocatalyst board into contact with the wettability changing layer, irradiating the wettability changing layer to form lyophilic zones between the dividing walls, and forming color filter layers and color conversion layers by ink jet printing.

US 2002/071071 discloses a process of forming a color filter comprising the steps of forming red, blue and green filter segments on a substrate, and forming a flattening layer comprising a photo-thermosetting resin containing a fluorescent material that functions also as a wavelength converting layer.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:


In a method of manufacturing a color-converting filter comprising the steps of forming color filter layers on a transparent substrate, and forming a colorant layer containing a color-converting colorant on the color filter layers, wherein the colorant layer forms color-converting layers which emit, through wavelength distribution conversion, light that will be transmitted by the color filter layers, the prior art does not teach or suggest the process further comprising the steps of exposing the colorant layer through the transparent substrate and the color filter layers using colorant-decomposing light to form color-converting layers in positions corresponding to the color filter layers, wherein the color-converting colorant is decomposed by light outside a wavelength region transmitted by the color filter layers, and the colorant-decomposing light contains a wavelength component that decomposed the color-converting colorant.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John A. McPherson whose telephone number is (571) 272-1386. The examiner can normally be reached on Monday through Friday, 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Huff can be reached on (571) 272-1385. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



John A. McPherson
Primary Examiner
Art Unit 1756

JAM
12/7/04